

BCF 208

Software Cost Estimating

Software Cost Estimating is designed for those who estimate and/or review the cost of software development and maintenance. Topics include life cycle management, development paradigms, capability evaluations, risk analysis, reuse, Commercial Off-The-Shelf (COTS) items, function points, Institute of Electrical & Electronics Engineers/Electronic Industries Alliance (IEEE/EIA) 12207, parametric models, and model calibration. Case studies allow students to apply the course materials.

Objectives: Students who successfully complete this course will be able to:

- describe the software acquisition process;
- determine an appropriate cost estimating methodology and the types of data required for a software cost estimate;
- use models for software life cycle cost estimating;
- compare and contrast alternative techniques for software cost estimating;
- apply software cost estimating techniques;
- discuss the strengths and weaknesses of software cost estimating models; and
- discuss major influences on software cost estimating.

Who Should Attend: This assignment-specific course is for personnel whose duties impact embedded or automated information systems acquisitions. It includes developing and/or evaluating cost estimates for life cycle management, planning and managing DoD systems acquisitions, evaluating and/or negotiating contract proposals, or analyzing cost and performance tradeoffs. Participants typically include members of the BCEFM community as well as personnel in Program Management, Software Engineering, and Information Technology.

Prerequisite: None

Recommended: ACQ 201, BCF 101, SAM 101, and a working familiarity with any personal computer word-processing package.

Length: 9 class days

Method of Delivery: Resident/Local

PDS Code: Q2E



BCF 209

Acquisition Reporting for Major Defense Acquisition Programs (MDAPs)

(Formerly Acquisition Reporting Course, Part C)

Acquisition Reporting for MDAPs provides training on how to prepare an Acquisition Program Baseline (APB), a Defense Acquisition Executive Summary (DAES), and a Selected Acquisition Report (SAR); and Nunn-McCurdy unit cost reporting for MDAPs is also addressed. Students will complete precourse material online prior to attending the classroom portion. During the in-class lecture and computer-assisted case studies, the student learns step-by-step report preparation using the Consolidated Acquisition Reporting System (CARS) software.

Objective: Students who successfully complete this course will be able to prepare, generate, and review CARS-based acquisition documents, including the APB, DAES, and SAR.

Who Should Attend: This assignment-specific course is for military officers, O-1 and above, and DoD civilians, GS-7 and above. It is generally limited to acquisition personnel whose assignment requires preparation or review of MDAP baselining and reporting requirements using the CARS software. Civilians under contract to support a DoD program office with an APB, DAES, or SAR reporting requirement are eligible with the recommendation of the Program Manager. Students may take this course as a refresher to obtain information updates on acquisition reporting policy and the CARS software.

Prerequisite: None

Recommended: ACQ 101 and BCF 103

Note: This course is for MDAP personnel. Students working with Major Automated Information Systems (MAISs) should enroll in BCF 229.

Length: 4 class days

Method of Delivery: Resident

PDS Code: Q2F

